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states:(71) Applicant: **NIPPONDENSO CO LTD**(72) Inventor: **KATOU YUKIHIRO**

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**(54) SEMICONDUCTOR TYPE
PRESSURE DETECTING
DEVICE**

(57) Abstract:

PURPOSE: To obtain a pressure detecting device whose assembly is easy and which is excellent in airtightness and corrosion resistance by setting and fixing a stem where a sensing element is set to a metal ring bonded to a seal diaphragm.

CONSTITUTION: The metal C-ring 14a bonded to the seal diaphragm 14 is set in a sealing stage part 15 which is formed on the edge part of a pressure detection room 12 and the inner part of the diaphragm 14 is filled with liquid 17. Then, a pedestal 18 to which the sensing element 19 is bonded is attached to the stem 16 and a terminal line 20 sealed with glass is connected to the element 19. Furthermore, the stem 16 is fixed by a caulking part 11a in a state where the ring 14a is horizontally pressed. When fluid to be measured is inducted to the pressure room 12, it is detected by the element 19 through the liquid 17. Since the inner part of the diaphragm is thus filled with the element and the liquid to be sealed, the pressure detecting device whose assembly is easy and which has excellent performance is obtained.

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